

Title (en)

GOA CIRCUIT, DISPLAY PANEL, AND ELECTRONIC DEVICE

Title (de)

GOA-SCHALTUNG, ANZEIGETAFEL UND ELEKTRONISCHE VORRICHTUNG

Title (fr)

CIRCUIT GOA, PANNEAU D'AFFICHAGE ET DISPOSITIF ÉLECTRONIQUE

Publication

EP 3843075 A1 20210630 (EN)

Application

EP 20216363 A 20201222

Priority

CN 201911340139 A 20191223

Abstract (en)

A GOA circuit (10) is provided according to implementations of the disclosure. The GOA circuit (10) includes multiple cascaded GOA units (100). Each GOA unit (100) includes a first pull-down control module (110), a second pull-down control module (120), and a pull-down holding module (130). A type of at least one thin film transistor (TFT) in at least one of the first pull-down control module (110) or the second pull-down control module (120) is different from that of a TFT in the pull-down holding module (130). A display panel (20) and an electronic device (30) are further provided according to implementations of the disclosure.

IPC 8 full level

G09G 3/3266 (2016.01); **G09G 3/20** (2006.01)

CPC (source: CN EP US)

G09G 3/20 (2013.01 - EP); **G09G 3/3266** (2013.01 - CN); **G09G 3/3677** (2013.01 - US); **H01L 27/1225** (2013.01 - US); **G09G 3/3266** (2013.01 - EP); **G09G 3/3677** (2013.01 - EP); **G09G 2300/0408** (2013.01 - EP); **G09G 2310/0264** (2013.01 - CN); **G09G 2310/0267** (2013.01 - EP); **G09G 2310/0286** (2013.01 - EP)

Citation (search report)

- [X] CN 108877626 A 20181123 - AU OPTRONICS CORP
- [X] KR 20170080352 A 20170710 - LG DISPLAY CO LTD [KR]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3843075 A1 20210630; CN 113096606 A 20210709; CN 113096606 B 20221104; US 11315515 B2 20220426; US 2021193070 A1 20210624

DOCDB simple family (application)

EP 20216363 A 20201222; CN 201911340139 A 20191223; US 202017129165 A 20201221